

116. The instrument of claim 115, wherein said reaction is in vitro transcription.

117. The instrument of claim 104, wherein said reaction is controlled by thermal cycling.

118. The instrument of claim 117, wherein said reaction is a chain reaction.

119. The instrument of claim 118, wherein said reaction is a polymerase chain reaction.

120. The instrument of claim 118, wherein said reaction is a ligase chain reaction.

121. The instrument of any of claims 113-120, wherein the reagents include labeled primers for subsequent identification of reaction products.--

#### REMARKS

Claim 1 has been amended to more fully claim the invention. Claims 2-92 have been cancelled. Claims 93-121 have been added. These claims find full support in the original specification at, for example, page 1, line 9-20; page 3, lines 5-34; page 4, lines 1-30; page 5, lines 1-27; page 9, lines 24-35; page 10, lines 1-36; the entirety of pages 11-13; and page 14, lines 1-4. These claims are presented to more fully claim

100

Respectfully submitted,

Date: July 24, 1997

Mark D. Wiczorek  
Reg. No. 37,966

Fish & Richardson P.C.  
4225 Executive Square, Suite 1400  
La Jolla, CA 92037  
Telephone: 619/678-5070  
Facsimile: 619/678-5099  
36883

11-20-68